

FMEA
EMU FAILURE MODE, EFFECT ANALYSIS

01/02/90 SUPERSEDES / /

ANALYST:

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NAME P/N BIT	FUNCTION	FAILURE MODE & CAUSES	MISSION PHASE	FAILURE EFFECT	FAILURE DETECTION FLIGHT/GROUND	TIME TO EFFECT/ACTIONS	CRIT	REMARKS/ HAZARD	REF
BALL MODE RELIEF VALVE, ITEM 1208 SV785844-12 (1)	High mode relieves the water gas pressure to the suit when the pressure increases above 14 psid. Low mode permits faster water charging by releasing the water reservoir gas pressure.	ITEM 1208; Fails to open, High mode relief valve.	PREEVA	EMERGENCY: Unable to flow O2 from the water tank cavity to the suit.	FLIGHT: None. No.	5/10	A-PASS	The reservoir pressure (sensors 132A & 132B) is displayed in the DVS status sequence. This failure mode can only be detected by visually detecting the pressure increase during airlock depress. There is no overpressure warning message. Redundant path is the Item 113E regulator and SOP. This item is standby redundant. The "E" screen does not apply.	